Shiv Chhatrapati Shikshan Sanstha's

# Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited A+ Grade with CGPA 3.49(Cycle IV$^{th}$),

ISO: 2015, UGC-CPE (Phase III), DST-FIST Status

## Report on

Two Day

"Hands-on Training Program"

(HTP-2026)

**PM-USHA Sponsored**

**(Date: 5$^{th}$ and 6$^{th}$ February 2026)**

## Organized by

**Department of Botany**

**Rajarshi Shahu Mahavidyalaya, Latur**

**Empowered Autonomous Institution**

**Latur- 413512**

# INDEX

## Introduction: About Hands on Training Program (HTP–2026)

It was great pride and pleasure for **Rajarshi Shahu Mahavidyalaya, Latur**, Empowered Autonomous Institution, to organize a PM-USHA (Pradhan Mantri Uchchatar Shiksha Abhiyan) sponsored Two-Day Hands-on Training Program (HTP–2026) on 5th and 6th February 2026 through the Department of Botany, marking the academic culmination of the year.

The program was enriched by the presence of two distinguished resource persons Dr. Vinaya Joshi, Instrumentation Specialist Engineer, Mumbai, and Er. Sunil Bind, Instrument Specialist, Mumbai. They delivered expert sessions and highlighted recent advancements in analytical instrumentation applicable to Pharmaceutical, Plant Tissue Culture, Environmental, Food, and Life Science research.

The training concentrated on major analytical techniques such as High Performance Liquid Chromatography (HPLC), UV–Visible Spectrophotometry, and UV-Fluorometry, which are widely employed for qualitative and quantitative analysis. Participants gained practical exposure in instrument operation, calibration procedures, sample preparation, method development, and interpretation of analytical data. The program significantly strengthened both conceptual understanding and laboratory skills, effectively bridging the gap between theoretical learning and practical application, thereby enhancing research competence.

A total 50 participants attended the program, including six faculty members (along with departmental staff), two research scholars, and students.

The event was conducted under the dynamic leadership of Chief Organizer Dr. Mahadev Gavhane, Principal, whose continuous encouragement reinforced the academic objectives of the initiative. Prof. Sadashiv Shinde, Vice Principal, PM-USHA Coordinator, Convener, and Head of the Department Botany, offered valuable guidance for the smooth execution of the program. Organizing Secretary Dr. K. D. Savant played a pivotal role in planning and coordination. Faculty members Mr. Dnyanoba Awad, Miss Pranjali Kumbhar, Miss Pooja Maskepatil, Miss Pratima Gore, and Miss Neha Kamble actively assisted in logistics and participant management.

The dedicated teamwork and coordinated efforts of the organizing committee ensured the successful and impactful completion of the Hands-on Training Program.

## Objectives of the Program:

1. To understand the fundamental principles and working mechanisms of HPLC, UV–Visible spectrophotometer, and Flurometer.
2. To analyze experimental results by developing appropriate sample preparation methods and analytical procedures, and interpreting the generated data.
3. To apply proper techniques for instrument handling, calibration, and routine operation through hands-on training.
4. To evaluate and relate the applications of HPLC, UV–Visible spectrophotometer, and fluorometry in pharmaceutical, PTC, environmental, food, and life science research.

# Inaugural Function

The Inauguration Session formally marked the commencement of the PM-USHA (Pradhan Mantri Uchchatar Shiksha Abhiyan) Sponsored Two Day's Hands on Training Program (HTP-2026). The session began with a warm and cordial welcome extended to the dignitaries, invited trainers, faculty members, research scholars, and students by the organizing committee, creating an atmosphere of academic enthusiasm and collaboration. The program is inaugurator with auspicious hands of Dr. Mahadev Gavhane, Principal, Dr. Vinaya Joshi, Mr. Sunil Bind, Prof. Sadashiv Shinde, Vice-Principal and Head Department of Botany and Dr. Kalyan Savant, Organizing Secretary of the program were present on stage. Prof. Sadashiv Shinde, Vice-Principal and Head, Department of Botany, while introducing the program, he informed about the need for research using advanced technology in Biology. At the inaugural ceremony, He emphasized that organizing such training sessions in higher education should aim to accelerate practical skills among the students of UG and PG.

The session concluded with motivating remarks from the dignitaries, encouraging active participation, meaningful discussions, and effective knowledge exchange throughout the training. The training program proceedings were smoothly coordinated and enlivened by the anchors, Ms. Neha Kamble who skill fully guided the program, introduced the trainers, and ensured seamless transitions between different segments of the event. Overall, the inaugural session successfully set a positive, scholarly, and inspiring tone for the technical sessions and academic interactions that followed.

| | |
|---|---|
| Thursday, 05/02/2026<br>10:30 am To 11:30am | **Inaugurators Address:** Dr. Vinaya Joshi, Instrumentation Specialist Engineer, Mumbai |

**Dr. Vinaya Joshi, Instrumentation Specialist Engineer, Mumbai.** She delivered speech on Analytical Instruments and their Role in Science and Technology. The hands-on training program on HPLC, UV–Visible spectrophotometry, and Fluorometry was well-structured and highly relevant to current academic and research needs. The program successfully emphasized both conceptual understanding and practical exposure, particularly in instrument operation, method development, and data interpretation. Such initiatives are essential for bridging the gap between classroom learning and real-world laboratory applications in pharmaceutical, plant tissue culture, environmental, food, and life science research. I appreciate the organizers for conducting a focused and impactful training program that will significantly benefit the participants.

| | |
|---|---|
| Thursday, 05/02/2026<br>10:30 am To 11:30am | **Desk of Chairperson: Dr. Mahadev Gavhane,** Principal, Rajarshi Shahu Mahavidyalaya, Latur |

**Principal, Dr. Mahadev Gavhane** addressed during the Hands-on Training Program organized by Department of Botany under PM-USHA. He emphasized that the program effectively integrated theoretical knowledge with practical exposure, enabling participants to gain hands-on experience in operating sophisticated analytical instruments. He highlighted that such experiential learning opportunities are essential in today's scientific education, as they strengthen conceptual clarity, technical proficiency, and analytical thinking.

He stated that advanced instrumentation training plays a vital role in developing research aptitude among students and faculty. By providing direct exposure to modern analytical techniques, the program enhanced participants' confidence in instrument handling, calibration procedures, method development, and data interpretation. According to him, these competencies are crucial for higher education, research pursuits, and industrial applications in Life Science, Pharmaceutical, Environmental and Food sectors.

He appreciated the dedicated efforts of the Department of Botany, the organizing committee, and the resource persons for their meticulous planning and effective coordination. He acknowledged that such skill-oriented initiatives significantly contribute to bridging the gap between academic curriculum and industry requirements, thereby preparing students to meet global scientific standards.

He expressed his sincere appreciation for the meticulous planning and successful execution of the program. He noted that the training was highly informative, well-structured, and professionally delivered, clearly reflecting the institution's strong academic vision and commitment to quality

education. He congratulated organizing team for conducting such a purposeful and outcome-oriented program and encouraged the department to continue initiating similar academic and research-driven activities in the future.

## Photographs of Inaugural Function:

<table>
<tr><td> 
</td><td>  </td></tr>
<tr><td>Dr. Mahadev Gavhane while felicitating Mr. Sunil Bind</td><td>Prof. S. N. Shinde while felicitating Dr. Vinaya Joshi</td></tr>
<tr><td> 
</td><td> 
</td></tr>
<tr><td>Dr. K. D. Savant while introducing the programme</td><td>Ms. N. S. Kamble while anchoring the programme.</td></tr>
<tr><td> 
</td><td>  </td></tr>
<tr><td>Prof. S. N. Shinde while introducing the resource persons</td><td>Dr. K. D. Savant while delivering Vote of Thanks</td></tr>
</table>

# Resource Persons

| Sr. No. | Photograph | Brief resume |
|---|---|---|
| 1 |  | **Dr. Vinaya Joshi, Instrumentation Specialist Engineer, Mumbai**<br>She is a dedicated academician and instrumentation expert with extensive experience in bioanalytical science and analytical method development. She is currently serving as Senior Executive Application Support at Anatek Services Pvt. Ltd., where she is actively involved in instrumentation, method development, technical training, and analytical services.<br>She also serves as Microbiology Lab In-Charge at GNIRD, G. N. Khalsa College, where she oversees microbial culture maintenance, SOP preparation, assay standardization, and conducts hands-on training programs for undergraduate and postgraduate students. She has contributed as a project guide, workshop trainer, and instrumentation expert in national-level workshops on chromatographic and spectroscopic techniques. |
| 2 |  | **Er. Sunil Bind, Instrument and Application Engineer, Mumbai**<br>The Hands-on Training Program was conducted under the guidance of Er. Sunil Bind, Instrument and Application Engineer, with more than five years of professional experience in analytical instrumentation. He possesses extensive hands-on expertise in the installation, commissioning, validation, and application support of UV–Visible, Fluorescence, and FTIR instruments, along with proficiency in instrument performance evaluation and quality checks as per standard operating procedures. He has delivered application-oriented training and technical guidance across disciplines including Botany, Microbiology, Biotechnology, Chemistry, Physics, and Pharmaceutical Sciences. His experience with IITs, NITs, universities, government research laboratories, colleges and industrial R&D laboratories across India contributed significantly to the successful conduct and achievement of the objectives of the hands-on training program. |

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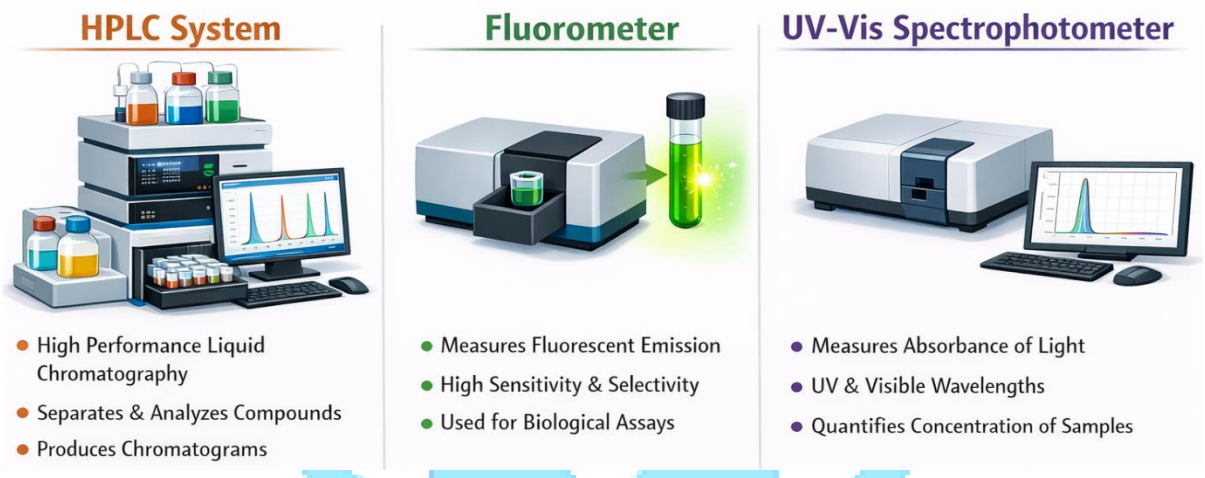
NAAC Accredited A+ Grade with CGPA 3.49(Cycle-IV),
ISO: 9001:2015, UGC-CPE (Phase-III), DST-FIST Status

## Department of Botany
## Organizes
## Hands-on Training Program
**Under PM-USHA**

Date: 5th and 6th February 2026




| Objectives | Details of Training |
|---|---|
| • **To understand** the fundamental principles and working mechanisms of HPLC, UV–Visible spectrophotometer, and Flurometer.<br>• **To apply** proper techniques for instrument handling, calibration, and routine operation through hands-on training.<br>• **To analyze** experimental results by developing appropriate sample preparation methods and analytical procedures, and interpreting the generated data.<br>• **To evaluate and relate** the applications of HPLC, UV–Visible spectrophotometry, and fluorometry in pharmaceutical, PTC, environmental, food, and life science research. | • Certificate will be issued on successful completion of training<br>• Registration link: : https://docs.google.com/forms/d/e/1FAIpQLSf4LYhIVs9wDzZLIpNMbY0OOSUOydSd_rxr2SXlBJ0Qh6pQA/viewform?usp=header<br>• Contact No.: 9403591841<br>7709178265<br>9604154515 |

Prof. S. N. Shinde
HoD & PM USHA Coordinator

Dr. Mahadev Gavhane
Principal

**Banner of the Program:**

## Technical Session- I

| | |
|---|---|
| Thursday, 05/02/2026<br>11:30 am To 02:00am | **Trainer:** Dr. Vinaya Joshi, Instrumentation Specialist Engineer, Mumbai<br>**Analytical Instrument:** High Performance Liquid Chromatography (HPLC) |

Dr. Vinaya Joshi focused on one of the most powerful and widely used analytical techniques **High Performance Liquid Chromatography (HPLC)**. HPLC plays a vital role in pharmaceutical analysis, plant tissue culture, environmental monitoring, food quality control, and life science research. Understanding its construction, principle, and working is essential for effective and reliable analytical outcomes.

**Construction of HPLC**

An HPLC system consists of several key components that work together to achieve efficient separation and analysis. These include a solvent reservoir containing the mobile phase, a high-pressure pump to deliver the solvent at a constant flow rate, an injector system for introducing the sample, a chromatographic column packed with stationary phase, a detector to identify and quantify separated components, and a data acquisition system for recording and analyzing results. Each component must function accurately to ensure precision and reproducibility of analysis.

**Principle of HPLC**

The principle of HPLC is based on the differential interaction of sample components between a stationary phase and a mobile phase. When a sample mixture is injected into the flowing mobile phase, its components travel through the column at different rates depending on their chemical properties such as polarity, size, and affinity towards the stationary phase. This difference in interaction results in the separation of compounds, which are then detected and analyzed.

**Working of HPLC**

In operation, the mobile phase is pumped under high pressure through the column. The sample is injected into the mobile phase stream and carried into the column, where separation occurs. As individual components elute from the column at different retention times, they pass through the detector, producing signals proportional to their concentration. These signals are processed and displayed as a chromatogram, which provides both qualitative and quantitative information about the sample.

HPLC is a highly sensitive, accurate, and versatile analytical technique. Through this hands-on training, participants will gain practical experience in operating the instrument, understanding

chromatographic behavior, and interpreting results. This knowledge will be invaluable in research, industry, and quality control laboratories.

## Photographs of Technical Session-I:

<table>
<tr><td> 
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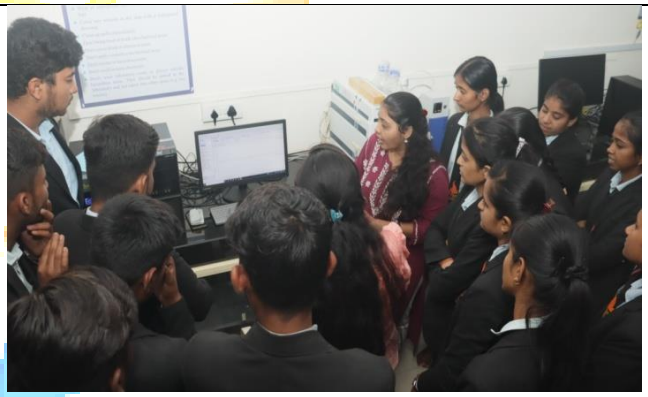
</td></tr>
<tr><td>Dr. Vinaya Joshi while giving theoretical aspects of HPLC</td><td>Dr. Vinaya Joshi while giving demonstrating practical aspects of HPLC</td></tr>
<tr><td> 
</td><td>  </td></tr>
<tr><td>Dr. Vinaya Joshi while giving training to participants.</td><td>Dr. Vinaya Joshi while giving training to participants.</td></tr>
</table>

## Technical Session- II

| | |
|---|---|
| Thursday, 05/02/2026<br>11:30 am To 02:00am | **Trainer: Er. Sunil Bind,** Instrumentation Specialist Engineer.<br>**Analytical Instrument:** UV-Spectrophotometer |

Er. Sunil Bind focuses focus on one of the most commonly used and essential analytical instruments in laboratories the **UV–Visible Spectrophotometer**. This instrument is widely applied in pharmaceutical analysis, plant tissue culture, environmental monitoring, food analysis, and life science research due to its simplicity, accuracy, and reliability.

**Construction of UV–Visible Spectrophotometer**

A UV–Visible spectrophotometer consists of several important components. These include a light source such as a deuterium lamp for the ultraviolet region and tungsten or halogen lamp for the visible region, a monochromator to select a specific wavelength of light, a sample holder or cuvette compartment, a detector to measure the intensity of transmitted light, and a data processing and display system. Proper alignment and calibration of these components are essential for accurate measurements.

**Principle of UV–Visible Spectrophotometer**

The principle of UV–Visible spectrophotometer is based on the absorption of ultraviolet or visible light by molecules. When light of a specific wavelength passes through a sample, certain wavelengths are absorbed due to electronic transitions within the molecules. The amount of light absorbed is directly proportional to the concentration of the absorbing species, as described by the Beer–Lambert law.

**Working of UV–Visible Spectrophotometer**

During operation, light from the source is directed through the monochromator, which selects the desired wavelength. The monochromatic light then passes through the sample placed in a cuvette. Part of the light is absorbed by the sample, and the remaining transmitted light reaches the detector. The detector converts this light into an electrical signal, which is processed and displayed as absorbance or transmittance. By comparing the absorbance with a standard or blank, the concentration of the sample can be determined.

The UV–Visible spectrophotometer is a fundamental analytical tool that provides quick and reliable results. Through this hands-on training, participants will gain practical experience in instrument handling, calibration, sample analysis, and data interpretation, strengthening their analytical skills for academic and research applications.

## Photographs of Technical Session-II:


Mr. Sunil Bind while giving theoretical aspects of UV-Spectrophotometer

Mr. Sunil Bind while giving training to participants.


Mr. Sunil Bind while giving training to participants.


Students while learning UV-Spectrophotometer

## Technical Session- III

| | |
|---|---|
| Friday, 06/02/2026<br>10:00 am To 01:30 pm | **Trainer: Dr. Vinaya Joshi & Er. Sunil Bind,** Instrumentation Specialist Engineer.<br>**Analytical Instrument: UV-Flurometer** |

Er. Sunil Bind focused on an advanced and highly sensitive analytical instrument known as the **UV–Fluorometer**. Fluorometry is widely used in pharmaceutical analysis, plant tissue culture studies, environmental monitoring, food analysis, and life science research due to its ability to detect very low concentrations of substances with high specificity.

**Construction of UV–Fluorometer**

A UV–Fluorometer consists of several essential components. These include a high-intensity light source such as a xenon lamp or mercury vapor lamp to provide ultraviolet excitation, an excitation monochromator or filter to select the desired excitation wavelength, a sample holder designed to

allow emission measurement at a right angle, an emission monochromator or filter to select emitted fluorescence, a sensitive detector such as a photomultiplier tube, and a data processing and display system. Proper calibration and alignment of these components are crucial for accurate fluorescence measurements.

**Principle of UV–Fluorometry**

The principle of UV–Fluorometry is based on the phenomenon of fluorescence. When certain molecules absorb ultraviolet light, their electrons are excited to a higher energy state. As these electrons return to the ground state, they emit light at a longer wavelength, known as fluorescence. The intensity of this emitted light is directly proportional to the concentration of the fluorescent substance within a specific range.

**Working of UV–Fluorometer**

During operation, ultraviolet light from the source passes through the excitation monochromator and is directed onto the sample. The sample absorbs the excitation energy and emits fluorescence at a longer wavelength. This emitted light is collected at a 90-degree angle to minimize interference from the excitation beam. The emission monochromator selects the desired emission wavelength, and the detector measures the fluorescence intensity. The signal is then converted into a readable output, allowing qualitative and quantitative analysis of the sample.

The UV–Fluorometer is a powerful analytical tool for trace-level analysis. Through this hands-on training program, participants will gain practical knowledge in instrument operation, calibration, sample handling, and interpretation of fluorescence data, which will be valuable for advanced research and analytical applications.

## Photographs of Technical Session-III:

<table>
<tr>
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<tr>
<td>Dr. Vinaya Joshi while demonstrating about UV-Spectrophotometer.</td>
<td>Students while leaning UV–Fluorometer</td>
</tr>
</table>

| | |
|---|---|
|  |  |
| Students while performing practical. | Students while leaning UV–Fluorometer |
|  |  |
| Students while asking their doubts. | Students while performing practical. |

| | |
|---|---|
| Friday, 06/02/2026<br>03:30 pm To 05:00 pm | **Valedictory Function** |

The Hands-on Training Program concluded with the valedictory session chaired by the Supervisor, Dr. Bhimrao Patil. The Organizing Secretary, Dr. K. D. Savant, presented a comprehensive summary of the training program, highlighting its objectives, activities, and outcomes. This was followed by special remarks from the participants, who expressed their gratitude to the institution for organizing such a well-planned and successful program.

The Convener, Prof. S. N. Shinde, conveyed sincere thanks to PM-USHA, the Management, the Principal, all members of the organizing committee, and the participants for their cooperation and support, which contributed to the success of the event. In his presidential address, the Supervisor, Dr. Bhimrao Patil, Rajarshi Shahu Mahavidyalaya, Latur (Empowered Autonomous Institution), emphasized the importance of organizing such programs to motivate and encourage young researchers to pursue research.

The valedictory function concluded with National Anthem and vote of thanks proposed by Prof. Dnyanoba Awad.

## Photographs of Valedictory Function:

| | |
|---|---|
|  |  |
| Dr. Bhimrao Patil while felicitating the resource person Mr. Sunil Bind. | Prof. S. N. Shinde, Vice-Principal while felicitating the resource person Dr. Vinaya Joshi. |
|  |  |
| Dr. Vinaya Joshi while expressing her views about the training program | Miss Mayawati Birajdar while expressing her views. |
|  |  |
| Ms. Harshika Pardeshi while expressing her views about the training program. | Ms. Aasha Mengle expressing her views about the training program. |

| | |
|---|---|
|  |  |
| Prof. S. N. Shinde, HoD &Vice-Principal while addressing the participants. | Prof. Dnyanoba Awad while delivering Vote of thanks. |
|  |  |
| Participants of the Hands-on training program. | Valedictory function ended by the National Anthem |
|  |  |
| Group photo of Faculties, Trainers & Students of Botany Department. | Ms. P. S. Maskepatil while anchoring the Valedictory function. |

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## Department of Botany

## Organizes

## Hands-on Training Program

### Under PM-USHA

**Date: 5th and 6th February 2026**

| Date & Day | Technical Session | Time | Resource Person |
|---|---|---|---|
| 05.01.2026 Thursday | **Inauguration (10:00 am -10:30 am)** | | |
| | I UV Spectroscopy & Flurometer | 10:30 am - 01:00 pm | Mr. Sunil M. Bind |
| | **Lunch Break (01:00 pm -02:00 pm)** | | |
| | II HPLC | 02:00 pm -04:30 pm | Dr. Vinaya S. Joshi |
| 06.02.2026 Friday | III UV Spectroscopy & Flurometer | 10:00 am – 01:00 pm | Mr. Sunil M. Bind |
| | **Lunch Break (01:00 pm – 02:00 pm)** | | |
| | IV HPLC | 02:00 pm – 04:30 pm | Dr. Vinaya S. Joshi |
| | **Valedictory Function (04:30 pm -05:00 pm)** | | |

## Letters: Invitation, Gratitude and Reliving

### i) Invitation

**Ref No: RSML/Botany/PM-USHA/2025-26/** 3235 **Date: 04.02.2026**

**To**
**Dr. Vinaya Subhash Joshi**
Guru Nanak , Khalsa College,
University of Mumbai

**Subject:** Invitation to be the Resource Person for Hands on Training...

**Respected Madam,**

It gives us an immense pleasure to invite you as the Resource Person for the Hands on Training under PM-USHA on HPLC, UV- Visible Spectrophotometer and Flurometer.

It is scheduled on Thursday & Friday dated **February 5th & 6th 2026** respectively. We hope you will kindly accept our invitation and guide our students.

Regards.

**Principal**
PRINCIPAL
Rajarshi Shahu Mahavidyalaya,Latur
(Autonomous)

Rcvd. 05/02/2026

**Ref No: RSML/Botany/PM-USHA/2025-26/** 3236 **Date: 04.02.2026**

**To**
**Er. Sunil Mulchand Bind**
Instrumentation Specialist Education,
Mumbai University

**Subject:** Invitation to be the Resource Person for Hands on Training...

**Respected Sir,**

It gives us an immense pleasure to invite you as the Resource Person for the Hands on Training under PM-USHA on HPLC, UV- Visible Spectrophotometer and Flurometer.

It is scheduled on Thursday & Friday dated **February 5th & 6th 2026** respectively. We hope you will kindly accept our invitation and guide our students.

Regards.

Sunil M Bind
06/02/2026

**Principal**
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Lat...
(Autonomous)

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## ii) Gratitude

Ref. RSML/Botany/PM-USHA/2025-26/ 3239 Date-06/02/2026

**LETTER OF GRATITUDE**

**To,**
**Sunil Mulchand Bind,**
Instrumentation Specialist Education,
Mumbai University, Mumbai

Dear Sir,

We are expressing our sincere gratitude towards you for spending your valuable time and sharing your expert guidance to our students on HPLC, UV- Spectrophotometer and Flurometer as a resource person in PM-USHA sponsored Hands on Training on 5th and 6th February, 2026 organized by department of Botany.

Once again, thank you for carving-out the time from your busy schedule. We look forward same Cooperation in future too.

Best Regards.

Sunil M Bind
06/02/2026

Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Lat
(Autonomous)

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Ref. RSML/Botany/PM-USHA/2025-26/ 3238 Date-06/02/2026

**LETTER OF GRATITUDE**

**To,**
**Dr. Vinaya Shubhash Joshi,**
Guru Nanak, Khalsa College,
Mumbai University, Mumbai

Dear Madam,

We are expressing our sincere gratitude towards you for spending your valuable time and sharing your expert guidance to our students on HPLC, UV- Spectrophotometer and Flurometer as a resource person in PM-USHA sponsored Hands on Training on 5th and 6th February, 2026 organized by department of Botany.

Once again, thank you for carving-out the time from your busy schedule. We look forward same Cooperation in future too.

Best Regards.

Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

Received 06/02/2026

**iii) Reliving**

Ref. RSML/Botany/PM-USHA/2025-26/ 3240 Date : 06/02/2026

## Relieving Letter

This is to certify that **Dr. Vinaya Shubhash Joshi**, Guru Nanak, Khalsa College, Mumbai University has worked as a resource person in **PM-USHA sponsored Hands on Training on HPLC, UV- Spectrophotometer and Flurometer** organized by Department of Botany, Rajarshi Shahu Mahavidyalaya, Latur, Empowered Autonomous Institution on 5th and 6th February, 2026. He has been relieved on 6th **February** After office hours.

Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya,Latur
(Autonomous)

Recd. 06/02/2026

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Ref. RSML/Botany/PM-USHA/2025-26/ 3237 Date : 06/02/2026

## Relieving Letter

This is to certify that **Sunil Mulchand Bind**, Instrumentation Specialist Education, Mumbai University, Mumbai has worked as a resource person in **PM-USHA sponsored Hands on Training on HPLC, UV- Spectrophotometer and Flurometer** organized by Department of Botany, Rajarshi Shahu Mahavidyalaya, Latur, Empowered Autonomous Institution on 5th and 6th February, 2026. He has been relieved on **6th February** After office hours.

Sunil M Bind
06/02/2026

Principal

PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

**Registration Form:**

Shiv Chhatrapati Shikshan Sanstha's

# Rajarshi Shahu Mahavidyalaya, Latur

**Empowered Autonomous Institution**

## Registration/ Admission Form

**Grant Sanctioned under PM-USHA (RUSA)**

**Program Name** : Hands on Teaining.

**Department** : Botany

**Date** : 5/02/2026

**Participant's Name** : Madhuei (First Name) Datta (Middle Name) Yenchewad (Surname)

**Class (if)** : BSc SY **Div.** - **Roll. No.** 05

**Date of Birth** : 03 03 2006 **Male** ☐ **Female** ☑

**Aadhar No.** : 272832946681

**Mobile No.** : 8087889218

**Address** : AT Post Ghaeni Tq - chakue, Dist - Latue

**e-mail** : yenchewadmadhuei7@gmail.com

Madhuei.

**Signature of HoD.**

**Signature of Participant**

Shiv Chhatrapati Shikshan Sanstha's

# Rajarshi Shahu Mahavidyalaya, Latur

**Empowered Autonomous Institution**

## Registration/ Admission Form

**Grant Sanctioned under PM-USHA (RUSA)**

**Program Name** : Hands on Teaining.

**Department** : Botany

**Date** : 5/02/2026

**Participant's Name** : Madhuei Datta Yenchewad
First Name Middle Name Surname

**Class (if)** : BSc SY **Div.** - **Roll. No.** 05

**Date of Birth** : 03 03 2006 **Male** ☐ **Female** ☑

**Aadhar No.** : 272832946681

**Mobile No.** : 8087889218

**Address** : AT Post Ghaeni Tq - chakue, Dist - Latue

**e-mail** : yenchewadmadhuei7g@gmail.com

Madhuei.

**Signature of HoD.** **Signature of Participant**

## Feedback:

Shiv Chhatrapati Shikshan Sanstha's

**Rajarshi Shahu Mahavidyalaya, Latur**

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**Department of Botany**

**Organizes**

**Hands-on Training Program**

**Under PM-USHA**

Date: 5th and 6th February 2026

**FEEDBACK FORM**

1. **Full Name of Participant** : Nishat ~~fatema~~ Amjad patel.
2. **Designation/Class** : M.Sc. FY
3. **Mobile No.** : 9373779443
4. **Email ID** : ~~patel~~nishat30@gmal.com
5. **Your opinion regarding:**

**A. Resource Person (S):**

- Excellent ☑
- Good ☐
- Satisfactory ☐
- Unsatisfactory ☐

**B. Deliberations in the program:**

- Excellent ☑
- Good ☐
- Satisfactory ☐
- Unsatisfactory ☐

8. **Any other Suggestions /Comments:** I would like ~~you~~ you to suggest to take more seccions like this.

Signature: ~~Nishat~~

Name: Nishat fatema patel.

Shiv Chhatrapati Shikshan Sanstha's

# Rajarshi Shahu Mahavidyalaya, Latur

Empowered Autonomous Institution

(Affiliated to Swami Ramanand Teerth Marathwada University, Nanded)

NAAC Accredited A+ Grade with CGPA 3.49 (Cycle-IV),

ISO: 9001:2015, UGC-CPE (Phase-III), DST-FIST Status

## Department of Botany

## Organizes

## Hands-on Training Program

### Under PM-USHA

Date: 5th and 6th February 2026

**FEEDBACK FORM**

1. **Full Name of Participant** : Birajdar Mayawati Dhanaji
2. **Designation/Class** : MSc. II
3. **Mobile No.** : 8788724448
4. **Email ID** : mayawatib20@gmail.com

5. **Your opinion regarding:**

**A. Resource Person (S):**

- Excellent ☑
- Good ☐
- Satisfactory ☐
- Unsatisfactory ☐

**B. Deliberations in the program:**

- Excellent ☐
- Good ☑
- Satisfactory ☐
- Unsatisfactory ☐

8. **Any other Suggestions /Comments:** _____

Signature: Mayawati

Name: Birajdar Mayawati

Shiv Chhatrapati Shikshan Sanstha's

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## Department of Botany

## Organizes

## Hands-on Training Program

### Under PM-USHA

Date: 5th and 6th February 2026

**FEEDBACK FORM**

1. **Full Name of Participant** : Menagle Asha Shankar.
2. **Designation/Class** : B.Sc II
3. **Mobile No.** : 9156408825
4. **Email ID** : ashamengale@gmail.com.
5. **Your opinion regarding:**

**A. Resource Person (S):**

- Excellent [✓]
- Good [ ]
- Satisfactory [ ]
- Unsatisfactory [ ]

**B. Deliberations in the program:**

- Excellent [ ]
- Good [✓]
- Satisfactory [ ]
- Unsatisfactory [ ]

8. **Any other Suggestions /Comments:** No suggeshion

Signature: Asha

Name: Mengale Asha.

Shiv Chhatrapati Shikshan Sanstha's

# Rajarshi Shahu Mahavidyalaya, Latur

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## Department of Botany

## Organizes

## Hands-on Training Program

## Under PM-USHA

Date: 5th and 6th February 2026

**FEEDBACK FORM**

1. **Full Name of Participant** : Tope Sumit Anil
2. **Designation/Class** : B.Sc F.Y.
3. **Mobile No.** : 9881321604
4. **Email ID** : TopeSumit17@gmail.Com.

5. **Your opinion regarding:**

**A. Resource Person (S):**

- Excellent
- Good ✓
- Satisfactory
- Unsatisfactory

**B. Deliberations in the program:**

- Excellent
- Good ✓
- Satisfactory
- Unsatisfactory

8. **Any other Suggestions /Comments:** No

Signature:

Name: Tope Sumit Anil

**Notice:**

Shiv Chhatrapati Shikshan Sanstha's

# Rajarshi Shahu Mahavidyalaya Latur

**Empowered Autonomous Institute**

## Department of Botany

## Notice

**Date: 02/02/2026**

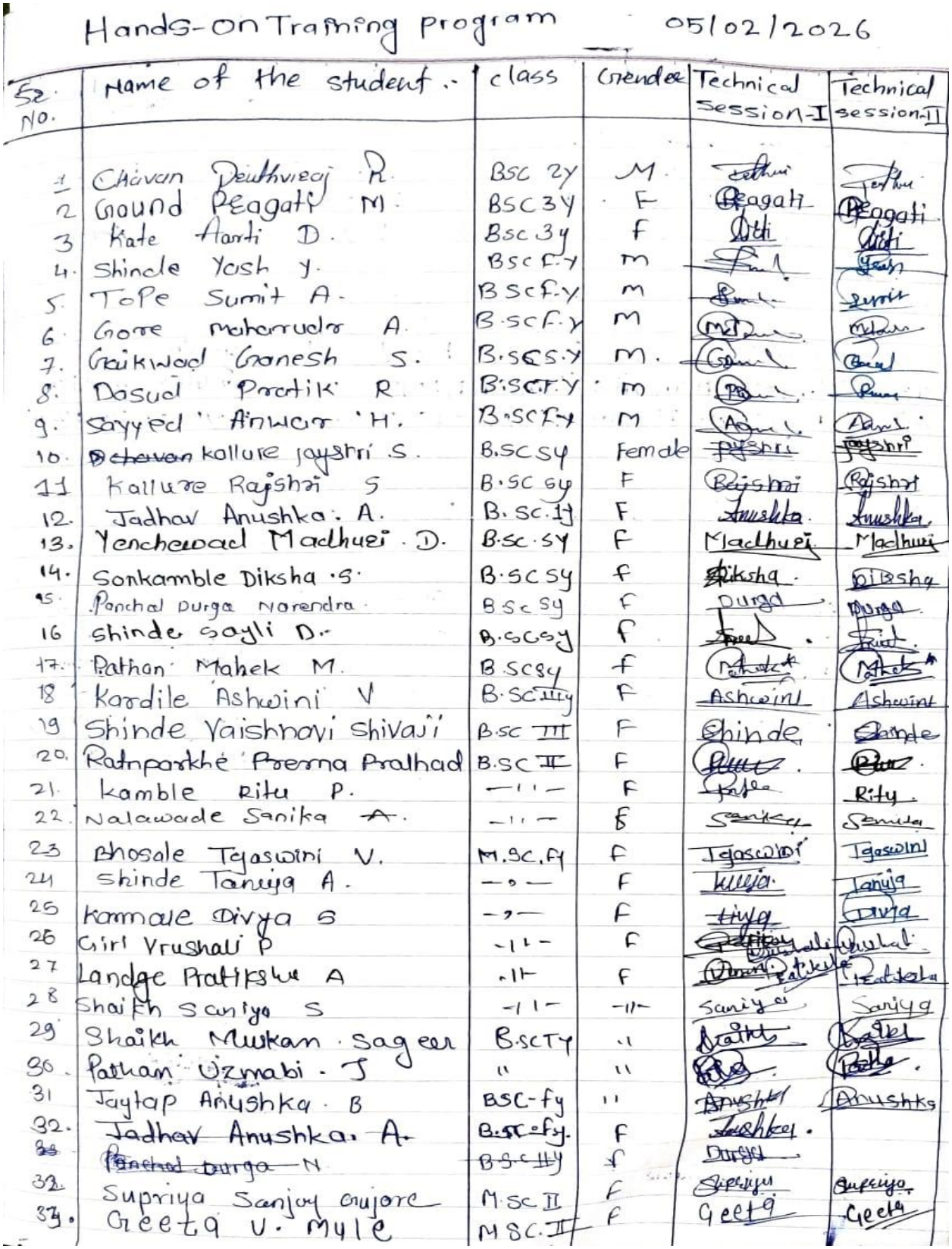
All the students of B.Sc. & M.Sc. Botany are hereby informed that Department of Botany organizes, **"Hands on Training Program"** under PM USHA on 05th & 06th February 2026, at 10:00 am to 05:00 pm. All should remain present on time.

**Time**: 10:00 am

**Venue**: CIC

Head
Department of Botany
UG, PG and Research Centre
Rajarshi Shahu Mahavidyalaya (Autonomous)
LATUR-413 512

## Attendance Sheet:



Hands-On Training program 05/02/2026

| Sr. No. | Name of the student | class | Gender | Technical session-I | Technical session-II |
|---|---|---|---|---|---|
| 1 | Chavan Deekshveej R. | BSC 2y | M | | |
| 2 | Gound Pragati M. | BSC 3y | F | Pragati | Pragati |
| 3 | Kate Aarti D. | Bsc 3y | f | Aarti | Aarti |
| 4. | Shinde Yash y. | BSc f.y | m | | |
| 5. | Tope Sumit A. | B Sc f.y | m | | Sumit |
| 6 | Gore Maharudra A. | B.Sc f.y | M | | |
| 7. | Gaikwad Ganesh S. | B.Sc S.y | M. | | |
| 8. | Dasud Pratik R. | B.Sc f.y | m | | |
| 9. | Sayyed Anwar H. | B.Sc f.y | M | | |
| 10. | ~~Chavan~~ kallure jayshri S. | B.Sc Sy | Female | | |
| 11 | Kallure Rajshri S | B.Sc Sy | F | Rajshri | Rajshri |
| 12. | Jadhav Anushka. A. | B. Sc. IIy | F | Anushka | Anushka |
| 13. | Yenchewad Madhuri D. | B.Sc Sy | F | Madhuri | Madhuri |
| 14. | Sonkamble Diksha S. | B.Sc Sy | f | Diksha | Diksha |
| 15. | Panchal Durga Narendra | B Sc Sy | f | Durga | Durga |
| 16 | Shinde Sayli D. | B.Sc Sy | f | | |
| 17. | Pathan Mahek M. | B Sc Sy | f | Mahek | Mahek |
| 18 | Kardile Ashwini V | B.Sc IIIy | F | Ashwini | Ashwini |
| 19 | Shinde Vaishnavi Shivaji | B.Sc III | F | Shinde | Shinde |
| 20. | Ratnparkhe Poorna Prahlad | B.Sc II | F | | |
| 21. | kamble Ritu P. | —11— | F | | Rity |
| 22. | Nalawade Sanika A. | —11— | f | | Sanika |
| 23 | Bhosale Tejaswini V. | M.Sc.fy | f | Tejaswini | Tejaswini |
| 24 | Shinde Tanuja A. | —11— | F | Tanuja | Tanuja |
| 25 | Kamble Divya S | —11— | F | Divya | Divya |
| 26 | Girl Vrushali P | —11— | f | | |
| 27 | Landge Pratiksha A | —11— | F | | |
| 28 | Shaikh Saniya S | —11— | —11— | Saniya | Saniya |
| 29 | Shaikh Muskan Sageer | B.Sc Ty | 11 | | |
| 30 | Pathan Uzmabi J | 11 | 11 | | |
| 31 | Jaytap Anushka B | BSC-fy | 11 | Anushka | Anushka |
| 32. | Jadhav Anushka. A. | B.Sc-fy. | F | | |
| 33 | ~~Panchal Durga N~~ | ~~B Sc IIIy~~ | f | Durga | |
| 34. | Supriya Sanjay Gujare | M Sc II | f | Supriya | Supriya |
| 35. | Geeta V. Mule | M Sc. II | F | Geeta | Geeta |

05/02/2026

| Sr. No | Name of the student | class | Gender | Technical Session-III | Technical Session-IV |
|---|---|---|---|---|---|
| | ~~Kale Aarti D.~~ | ~~BSc 3y~~ | Female | ~~Aarti~~ | |
| 34) | Bansode pramodini . G | B.Sc 3dy | Female | Pbansode | Pbansode |
| | ~~Pratik Dasad . R~~ | B.Sc-3y | male | ~~Pratik~~ | |
| 35) | Mengale ~~Asha~~ Sure | B.Sc II | female | ~~Asha~~ | ~~Asha~~ |
| 36) | Patel Nishat Fatema A. | M.Sc. FY | Female | ~~Nishat~~ | ~~Nishat~~ |
| 37) | Badade Vaishnavi Ramesh | M.Sc.Fy | 11 | VB | VB |
| 38) | Chate Anjali Balasaheb | 11 | 11 | ~~Anjali~~ | |
| 39) | Gayatri Sunil Kumavat | B.Sc.-II | 11 | Gayatri | Gayatri |
| 40) | Pardeshi Harshika Kamlesh | M.Sc II | 11 | Harshika | Harshika |
| 41) | Biradar Mayawati . D. | M.Sc.II | Female | Mayawati | Mayawati |
| 42) | Amruta mane | B.sc SY | female | ~~Amruta~~ | ~~Amruta~~ |
| 43) | Rathod Rohit U | B.sc sy | Male | Rathod | Rathod |
| 44) | Panchal Durga | B.sc sy | female | Durga | Durga |
| | | | | | |
| | Dr. K.D. Savant | staff | male | ~~Prahul~~ | ~~Prahul~~ |
| | Mr. D.R. Avhad | 11 | 11 | ~~Prahul~~ | ~~Prahul~~ |
| | Ms. P.V. Kumbhar | 11 | female | Pkumbhar | Pkumbhar |
| | Ms. P.S. Maskepatil | 11 | 11 | Pmaske | Pmaske |
| | Ms. P.B. Ghore | 11 | 11 | Pghore | Pghore |
| | ms. N.S. Kamble. | 11 | 11 | ~~Pkamble~~ | ~~Pkamble~~ |
| | | 11 | 11 | | |

Head
Department of Botany
UG, PG and Research Centre
Rajarshi Shahu Mahavidyalaya (Autonomous)
LATUR-413 512

Principal
PRINCIPAL
Rajarshi Shahu Mahavidyalaya, Latur
(Autonomous)

05/02/26

| Sl. No | Name of students. | Class | Gender | Technical session III | Technical session IV |
|---|---|---|---|---|---|
| 1. | Geeta Vijaykumar Mule | M.Sc. II | female | Geeta | Geeta |
| 2. | Supriya Sanjay Gujare | M.Sc. II | female | Supriya | Supriya |
| 3. | Patel Nishat Fatema Amjad | M.Sc. FY | female | Nishat | Nishat |
| 4. | Shaikh Saniya Sultan | M.Sc. FY | " | Shaikh | |
| 5. | Badade Vaishnavi Ramesh | " | " | VB | VB |
| 6. | Jadhav Anushka Achalkumar | B.Sc. F.Y. | female | Anushka. | |
| 7. | kallure jayshri shahuraj | B.Sc. SY | =0= | Jayshri | Jayshri |
| 8. | Ratnparkhe prerna pralhad | B.Sc. SY | -11- | Prer. | Pral |
| 9. | Nalawade Sanika Ajit | -11- | -11- | Sanika. | Sanika |
| 10 | Kallure Rajshri Shahuraj | B.Sc. SY | -11- | Rajshri | Rajshri |
| 11 | Jagtap anushka B | B.Sc. FY | -11- | Anushka | Anushka |
| 12 | Leandge Pratiksha Angad | M.Sc. FY | female | Pratiksha | Pratiksha |
| 13 | Giri Vrushali Pandurang | M.Sc. F-1 | female | Vrushali | Vrushali |
| ~~14~~ | ~~Jagtap Anushka~~ | | | | |
| 14 | Mengale Asha Shankar | B.Sc-II | -11- | Asha | Asha |
| 15. | Pathan Mahek M. | B.Sc. II | -11- | Mahek* | Mahek* |
| 16. | Pathan Uzmabi J. | B.Sc III | -11- | Uzma | Uzma |
| 17. | Gayatri Sunil Kumavat | B.Sc.- II | -11- | Gayatri | Gayatri |
| 18) | Panchal Durga Narendra | B.S.c II | -11- | Durga | Durga |
| 19 | Amruta Gunwant Mure | B.Sc II | -11- | Amruta | Amruta |
| 20) | Shinde Sayli Dnyaneshwar | B.Sc II | -11- | Sayli | Sayli |
| 21) | Gaund Pragati M. | B.Sc III | -11- | Pragati | Pragati. |
| 22) | Bansode Poornima. Goroba | B.Sc III | -11- | Bansode | Bansode |
| 23) | Kate Aarti D. | B.Sc III | -11- | Aarti | Aarti |
| 24) | Haridas Rutuja Anil | B.Sc III | -11- | Rutuja | Rutuja |
| 25) | Shaikh Muskan Jageer | " | " | Shaikh | Shaikh |
| 26 | Shinde Taneja A. | M.Sc-fy | -11- | Taneja | Taneja. |
| 27 | Karmale Divya Santosh | M.Sc-fy | -11- | Divya | Divya |
| 28 | Bhosale Tejaswini V | M.Sc fy | -11- | Tejaswini | Tejaswini |
| 29 | Tofe Sumit A. | B.Sc FY | M | Sumit | Sumit |
| 30 | Shinde Yash Y. | B.Sc FY | M | Yash | Yash |
| 31 | Gaikwad Ganesh | B.Sc S.Y | M | Ganesh | Ganesh |
| 32 | Pratik Dasud | B.Sc T.Y | M | Pratik | Pratik |
| 33 | Rohit Rathod | B.Sc S.Y | M | Rathod | Rathod |
| 34 | Chavan Prithviraj R. | B.Sc SY | M | Prithviraj | Prithviraj |

| | | | | |
|---|---|---|---|---|
| 35) Birajdar Mayuravati. D | M.Sc. II | Female | Mayuravati | Mayuravati |
| 36) Pardeshi Harshika K. | M.Sc II | Female | Harshika | Harshika |
| 37) Anjali B. chate | M.S.C I | female | [illegible] | [illegible] |
| 38) Yenchewad Madhuri D. | B.Sc.Sy | female | Madhuri | Madhuri |
| 39) Sonkamble Diksha. S. | B.Sc.Sy | female | Diksha | Diksha |
| 40) Kardile Ashwini | B.Sc Ty | female | Ashwini | Ashwini |
| 41) Shinde Vaishnavi | " | " | Shinde | Shinde |
| 42) Kamble Ritu R. | B.Sc Sy | female | Ritu | Ritu |
| 43) Gore Maharudra A | B.Sc Fy | Male | [illegible] | [illegible] |
| 44) Sayyed Anwar M. | B.Sc Fy | male | Anwar | Anwar |

| | | | | |
|---|---|---|---|---|
| Dr. K.D. Savant | Staff | Male | | |
| Mr. D.R. Awad | —"— | —"— | Prof. | Prof. |
| Ms. P.V. Kumbhar | —"— | female | Pradnya | Pradnya |
| Ms. P.S. Maskepatil | —"— | —"— | Pmaske | Pmaske |
| Ms. P.B. Gore | —"— | —"— | Pgore | Pgore |
| Ms. N.S. Kamble | —"— | —"— | Nkamble | Nkamble |

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